

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SEP 17 2004 (Use as many sheets as necessary)

Page 1 of 3

Application Number	10/728490
Filing Date	December 5, 2003
First Named Inventor	Anderson, Mark T.
Art Unit	1711
Examiner Name	
Attorney Case Number	58623US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document,	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
ND	A1	US- 2801185	07/30/1957	R.K. Iler	
ND	A2	US- 3018262	01/23/1962	Schroeder	
ND	A3	US- 3117099	01/07/1964	Proops et al.	
ND	A4	US- 3729313	04/24/1973	Smith	
ND	A5	US- 3741769	06/26/1973	Smith	
ND	A6	US- 3779778	12/18/1973	Smith et al.	
ND	A7	US- 3808006	04/30/1974	Smith	
ND	A8	US- 4250053	02/10/1981	Smith	
ND	A9	US- 4279717	07/21/1981	Eckberg et al.	
ND	A10	US- 4394403	07/19/1983	Smith	
ND	A11	US- 4491628	01/01/1985	Ito et al.	
ND	A12	US- 4522958	06/11/1985	Das et al.	
ND	A13	US- 4642126	02/10/1987	Zador et al.	
ND	A14	US- 4652274	03/24/1987	Boettcher et al.	
ND	A15	US- 4735632	04/05/1988	Oxman et al.	
ND	A16	US- 4751138	06/14/1988	Tumey et al.	
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ND	A18	US- 4963471	10/16/1990	Trout et al.	
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ND	A20	US- 5238744	08/24/1993	Williams et al.	
ND	A21	US- 5335240	08/02/1994	Ho et al.	
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ND	A23	US- 5440421	08/05/1995	Fan et al.	
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ND	A27	US- 5753346	05/19/1998	Leir et al.	
ND	A28	US- 5770737	06/23/1998	Reinhardt et al.	

*Examiner: *David H. Charles*

Date Considered: 09/28/2005

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ND	A29	US- 5856373	01/05/1999	Kaisaki et al.	
ND	A30	US- 5859251	01/12/1999	Reinhardt et al.	
ND	A31	US- 5998495	12/07/1999	Oxman et al.	
ND	A32	US- 6025406	02/15/2000	Oxman et al.	
ND	A33	US- 6054007	04/25/2000	Boyd et al.	
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		Ctry. Code	Number-KindCode (If known)				
ND	B1	PCT	WO 98/21521	05/22/1998	_____	_____	_____
ND	B2	PCT	WO 99/53242	10/21/1999	_____	_____	_____
ND	B3	PCT	WO 01/96409	12/20/2001	_____	_____	_____
ND	B4	EP	1 052 312	11/15/2000	_____	_____	_____

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
ND	C1	R. D Allen et al. in Proc. SPIE 2438, 474 (1995)
ND	C2	I. B. Berlman in <u>Handbook of Fluorescence Spectra of Aromatic Molecules</u> , Second Edition, pages 24-27, Academic Press, New York (1971)
ND	C3	Beringer et al., J. Am. Chem. Soc. 81, 342 (1959)
ND	C4	Bull. Chem. Soc. Japan, 42, 2924-2930 (1969)
ND	C5	Busch et al., "Photonic Band Gap Formation in Certain Self-Organizing Systems", Physical Review E 58, 3896 (1998)
ND	C6	C. J. Brinker and G. W. Scherer, <u>Sol-Gel Science</u> , Academic Press, New York, pp. 501-505 (1990)
ND	C7	M. Campbell et al., <u>Nature</u> , 2002, p. 404, Volume 53
ND	C8	A. Chutinan and S. Noda, in Appl. Phys. Lett. 75 (24), 3739 (2002)
ND	C9	R. J. Cox, <u>Photographic Sensitivity</u> , Chapter 15, Academic Press (1973)
ND	C10	I. Divliansky et al. in Applied Physics Letters 82, 1667 (2003)
ND	C11	J. N. Demas and G. A. Crosby in J. Phys. Chem. 75, 991-1024 (1971)

*Examiner: <i>D. J. H. H. H. H. H.</i>	Date Considered: 09/28/2005
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ND	C12	D. F. Eaton in <u>Advances in Photochemistry</u> , edited by B. Voman et al., Volume 13, pp. 427-488, John Wiley and Sons, New York (1986)
ND	C13	Ho et al. in Phys. Rev. Lett. <u>65</u> (25), 3152 (1990)
ND	C14	S.G. Johnson et al. in Appl. Phys. Lett. <u>77</u> , 3490 (2000)
ND	C15	Kondo et al. in Applied Physics Letters <u>79</u> , 725 (2001)
ND	C16	Kondo et al. in Applied Physics Letters <u>82</u> , 2759 (2003)
ND	C17	Yu. V. Miklyaev et al. in Applied Physics Letters <u>82</u> , 1284 (2003)
ND	C18	J. V. Morris, M. A. Mahoney, and J. R. Huber in J. Phys. Chem. <u>80</u> , 969-974 (1976)
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ND	C20	H.B. Sun et al., Applied Phys. Letters, 1999, 74(6), pp. 786-788
ND	C21	A. J. Turberfield in MRS Bulletin, p. 632, August 2001
ND	C22	C. Xu and W. W. Webb in J. Opt. Soc. Am. B, 13, 481 (1996)
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ND	C24	Yablonovitch et al. in Physica B, <u>175</u> (1-3), 81 (1991)
ND	C25	W. Zhou et al. in Science <u>296</u> , 1106 (2002)
ND	C26	R.D. Allen et al., High Performance Acrylic Polymers for Chemically Amplified Photoresist Application, <u>Journal of Vacuum Science and Technology B</u> Vol. 9, pp. 3357
ND	C27	Chutinan et al., Highly Confined Waveguides and Waveguide Bends in Three- Dimensional Photonic Crystal, <u>Applied Physic Letters</u> Vol. 75 (24), p. 3739
ND	C28	P.W. Oliveira et al., <u>Fabrication of GRIN-Materials By Photopolymerization of Diffusion Controlled Organic-Inorganic Nanocomposite Materials</u> . Better Ceramics Through Chemistry VII: Inorganic/organic hybrid materials, San Francisco, Materials Research Society Symposium Proceedings. 1996
ND	C29	W. Nakagawa et al., Fabrication of Two-Dimensional Photonic Crystals with Controlled Defects By Use of Multiple Exposures and direct write, <u>Applied Optics</u> , Vol. 42 (27), pp. 5450-5456, 2003.
ND	C30	K. Saravanamuttu et al., Sol-gel Organic-Inorganic Composites for 3-D Holographic Lithography of Photonic Crystals with Submicron Periodicity, <u>Chemistry of Materials</u> Vol. 15, pp. 2301-2304, 2003.
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ND	C32	J. Serbin et al., Femtosecond Laser-induced Two-Photon Polymerization of Inorganic-organic Hybrid Materials For Application in Photonics, <u>Optics Letters</u> , Vol. 28 (5) pp. 301-303, 2003.
ND	C33	D.N. Sharp et al., Photonic Crystals for the Visible Spectrum by Holographic Lithography, <u>Optical and Quantum Electronics</u> , Vol. 34 (1-3), pp. 3-12, 2002.
ND	C34	M. Straub et al., Near-Infrared Photonic Crystals With Higher-Order Bandgaps Generated by Two-Photon Photopolymerization, <u>Optics Letters</u> , 27 (20) pp. 1824-1826, 2002.

*Examiner: <u>Mark T. Anderson</u>	Date Considered: <u>09/28/2005</u>
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		Doc. Number-(Kind Code if Known)			
WD	A1	US- 5526449	06/11/1996	Meade et al.	
WD	A2	US- 2002/00062782	05/30/2002	Norris et al.	
WD	A3	US- 2002/0160298	10/31/2002	Minami et al.	

Foreign Patent Documents

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		Ctry. Code	Number-KindCode (if known)				
WD	B1	PCT	WO 01/18283	03/15/2001			
WD	B2	PCT	WO 01/55484	08/02/2001			
WD	B3	EP	1 028 328	08/16/2000			
WD	B4	JP	1999345758	12/14/1999			Machine Translation & Abstract
WD	B5	JP	2000009955	01/14/2000			Machine Translation & Abstract
WD	B6	JP	2000275859	10/06/2000			Machine Translation & Abstract
WD	B7	JP	2003057422	02/26/2003			Machine Translation & Abstract
WD	B8	JP	2003084158	03/19/2003			Machine Translation & Abstract

OTHER DOCUMENTS

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WD	C1	Cai et al., Optics Letters, Vol. 27, No. 11, pp. 900-902, June 1, 2002	
WD	C2	Jiang et al., Optics Comm., Vol. 185, pp. 19-24, 2000.	
WD	C3	Lee et al., Adv. Mater., Vol. 14, No. 4, pp. 271-274, 2002	
WD	C4	Shoji et al., Applied Physics Letters, Vol. 76, No. 19, pp. 2668-2670	
WD	C5	Taton et al., Nature, Vol. 416, pp. 685-686, April 18, 2002	
WD	C6	Viasov et al., Nature, Vol. 414, pp. 289-293, November 15, 2001	

*Examiner: *Shankha Chakrabarti*Date Considered: *09/28/2005*

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Information Disclosure Statement)

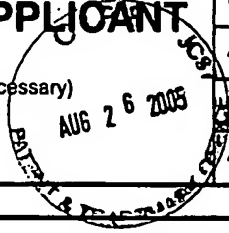
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MD	C7	MRS Bulletin, Vol. 26, No. 8, pp.608-610 and pp. 618-641, August 2001	

*Examiner: <i>Robert Charles Davis</i>	Date Considered: 09/28/2005
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		Doc. Number-(Kind Code if Known)			
WD	A1	US- 6569602	05/27/2003	Wang	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

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		Ctry. Code	Number-KindCode (If known)				
WD	B1	PCT	WO 01/66833	09/13/2001			
WD	B2	PCT	WO 01/96958	12/20/2001			

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WD	C1	Kirihara et al., J.Am. Ceram. Soc., Vol. 85, No. 6, pp. 1369-1371, 2002 XP-002335746	
WD	C2	Samoilovich et al., I Microelectronic Engineering Vol. 69, pp. 237-247, 2003	
WD	C3	Witzgall et al., Optics Letters, Vol. 23, No. 22, 1998, XP-000955303	

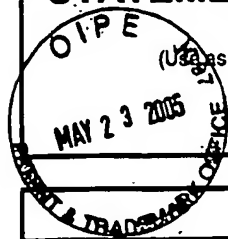
*Examiner: <i>Robert Charles Davis</i>	Date Considered: <i>09/28/2005</i>
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PD	A1	US- 6358653	03/19/2002	Turberfield et al.	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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PD	B1	PCT	WO01/22133	03/29/2001			
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	B4						
	B5						
	B6						
	B7						

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PD	C1	Campbell et al., Nature, Vol. 404, pp. 53-56, 2000, XP000961267	
	C2		

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